

**Staff Report**

**Outline of BOF Literature  
Review for Threatened and  
Impaired Watershed (T/I)  
Rules**

**Draft : June 5, 2006**

# 1. Establish specific purpose and questions to be addressed by literature review.

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Identify information that contributes to the Board's decision-making process for rules for the protection and restoration of anadromous salmonids, domestic water uses, and related issues addressed in the rules “*Protection and Restoration in Watersheds with Threatened or Impaired Values*” (14 CCR 916.9, 936.9, 956.9).

## 2A. Identify topics relevant to the T/I literature review.

Studies relevant to the forest management planning and conduct affecting all life stages of anadromous salmonids or domestic water uses. Studies should focus on key ecological features of functional riparian habitats (see list below), riparian buffer zones or studies relevant to the T/I rules.

1. Nutrients;
2. Bank and channel stability;
3. Vegetative canopy and vegetation shade affecting thermal loads, hiding cover, and food base;
4. Coarse woody debris for instream habitat structure and fluvial geomorphic functions;
5. Microclimates;
6. Sediments and turbidity;

Secondary topics would be considered based on further screening by oversight team.

- Peak flows or large flood frequency and water drafting;
- Cumulative watershed effects;
- Natural variation of riparian systems;
- Affects of natural disturbances (fire , flood, pests, windrow, landslides);
- Life cycle needs of anadromous salmonids.
- Water drafting

## **2B. Identify key questions to be addressed by reviewer**

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### **3. Identify process for literature submission**

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- **Potential literature to be reviewed may be submitted by any person.**
- **Mail and post on web request for literature.**
- **Identify and solicit literature to be reviewed from recognized experts and other persons with relevant knowledge.**
- **Literature solicitation letter to include the desired template to be used by review team.**
- **Period for literature submission should be at least 45 days.**
- **Oversight team may propose criteria for literature submission.**

## **4. Use of third party to conduct review of submitted literature.**

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**Consider using:**

- 1. Private professional consulting organization (Tetra Tech);  
(Consider factors such as costs and availability)**
- 2. Agency personnel;**
- 3. UC technical services;**
- 4. MSG subgroup;**
- 5. Pooled resource and funding from private entities.**

## **5. Oversight team of third party literature review**

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- **Establish a Board designated oversight team to oversee third party literature review.**
- **Team will include agency personnel knowledgeable of Forest Practice Rules from: BOF, SWQCB, CDFG, NMFS, CDF, and CGS.**
- **Potential members on oversight team may include non-agency personnel.**
- **Charter of oversight team would include periodic reviews of substance and format, and level of acceptable progress.**
- **A subgroup of oversight committee may be assigned to day to day oversight.**

## **6A. Establish requirements of literature review, and determine format for presenting summary of literature.**

### **A. Requirements:**

- 1. Literature reviewed needs to be relevant to Item 2. above.**
- 2. Provide report of any documents missed that need to be included.**
- 3. Studies to be grouped by topic investigated.**
- 4. Provide synthesis of literature review (“meta review”) and respond to “Key Questions”.**
- 5. Limit reviewer’s interpretations of literature relative to**



## **6B. Establish requirements of literature review, and determine format for presenting summary of literature.**

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### **B. Format:**

- 1. Author;**
- 2. Date and name of publication;**
- 3. Short paragraph summarizing key findings;**
- 4. Type of study including methodology;**
- 5. Time frame of study;**
- 6. Consistency of study results with other studies;**
- 7. Uncertainties or limitations of study;**
- 8. Relevancy to California;**
- 9. Statistical significance and biological relevance;**
- 10. Attribute list for data base formatting;**
- 11. Linkages to California Forest Practice Rules;**

## 7. Technical Specialist Forum

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- Following completion of literature review a technical specialist forum will be held.
- Specialist will provide views on results literature review.
- Invite specialists to interpret and synthesize results of literature review.

## 8. Time Frame

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### Milestones

- Approve process for literature review;
- Designate oversight group;
- Commission literature review group;
- End literature submission period;
- Conduct literature review;
- Present summary to Board;
- Technical Specialist Forum;
- Action/consideration by FPC and Board.